

DOCUMENT TYPE: CODEN: USXXAM
 Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5217914	A	19930608	US 1991-683603	19910410 <--
JP 04218954	A2	19920810	JP 1991-75041	19910408 <--
JP 3120462	B2	20001225		
PRIORITY APPLN. INFO.:			JP 1990-95729	A 19900410
AB	Unavailable			

L23 ANSWER 51 OF 12755 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:926598 CAPLUS
 TITLE: Miniature inductor for integrated
 circuits and devices
 INVENTOR(S): Bhagat, Jayant K.
 PATENT ASSIGNEE(S): Bhagat, Jayant K., USA
 SOURCE: U.S., No pp. given
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5070317	A	19911203	US 1989-298158	19890117 <--
PRIORITY APPLN. INFO.:			US 1989-298158	19890117
AB	Unavailable			

L23 ANSWER 55 OF 12755 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:925147 CAPLUS
 TITLE: Printed circuit boards and cards having
 buried thin film capacitors and processing
 techniques for fabricating said boards and cards
 INVENTOR(S): Lauffer, John M.; Schumacher, Richard A.
 PATENT ASSIGNEE(S): Ibm Corporation, USA
 SOURCE: U.S., No pp. given
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5027253	A	19910625	US 1990-506640	19900409 <--
JP 04225594	A2	19920814	JP 1991-55536	19910228 <--
JP 07016099	B4	19950222		
EP 451500	A2	19911016	EP 1991-103285	19910305 <--
EP 451500	A3	19950208		
EP 451500	B1	19971119		
R: DE, FR, GB				
PRIORITY APPLN. INFO.:			US 1990-506640	A 19900409
AB	Unavailable			

=> d hist

(FILE 'HOME' ENTERED AT 18:41:37 ON 25 SEP 2006)

FILE 'CAPLUS, MEDLINE, BIOSIS' ENTERED AT 18:41:52 ON 25 SEP 2006

```

L1 5583 S CIRCUIT? AND (DNA OR RNA OR NUCLEIC?)
L2 368 S L1 AND (RESIST? OR RESISTOR?)
L3 36 S L1 AND (DIODE?)
L4 51 S L1 AND (CAPACITOR OR CAPACITANCE?)
L5 77 S L1 AND TRANSISTOR
L6 66 S L1 AND (INDUCTOR? OR INDUCER?)
L7 247 DUP REM L2 (121 DUPLICATES REMOVED)
L8 94 S L7 AND PY<=1999
L9 30 DUP REM L3 (6 DUPLICATES REMOVED)
L10 6 S L9 AND PY<=1999
L11 45 DUP REM L4 (6 DUPLICATES REMOVED)
L12 12 S L11 AND PY<=1999
L13 71 DUP REM L5 (6 DUPLICATES REMOVED)
L14 10 S L13 AND PY<=1999
L15 48 DUP REM L6 (18 DUPLICATES REMOVED)
L16 16 S L15 AND PY<=1999
L17 715 S (PATTERN? OR PATTERNING?) AND (NUCLEIC OR DNA OR RNA) AND (CI
L18 39 S L17 AND (RESISTOR? OR RESIST? OR DIODE? OR CAPACITOR? OR CAPA
L19 26 DUP REM L18 (13 DUPLICATES REMOVED)
L20 6 S L19 AND PY<=1999
L21 29461 S CIRCUIT? AND (DIODE? OR CAPACITOR? OR CAPACITANCE? OR INDUCTO
L22 28763 DUP REM L21 (698 DUPLICATES REMOVED)
L23 12755 S L22 AND PY<=1999

```

=> d hist full

(FILE 'HOME' ENTERED AT 18:41:37 ON 25 SEP 2006)

```

FILE 'CAPLUS, MEDLINE, BIOSIS' ENTERED AT 18:41:52 ON 25 SEP 2006
L1 5583 SEA ABB=ON PLU=ON CIRCUIT? AND (DNA OR RNA OR NUCLEIC?)
L2 368 SEA ABB=ON PLU=ON L1 AND (RESIST? OR RESISTOR?)
L3 36 SEA ABB=ON PLU=ON L1 AND (DIODE?)
L4 51 SEA ABB=ON PLU=ON L1 AND (CAPACITOR OR CAPACITANCE?)
L5 77 SEA ABB=ON PLU=ON L1 AND TRANSISTOR
L6 66 SEA ABB=ON PLU=ON L1 AND (INDUCTOR? OR INDUCER?)
L7 247 DUP REM L2 (121 DUPLICATES REMOVED)
L8 94 SEA ABB=ON PLU=ON L7 AND PY<=1999
L9 30 DUP REM L3 (6 DUPLICATES REMOVED)
L10 6 SEA ABB=ON PLU=ON L9 AND PY<=1999
L11 45 DUP REM L4 (6 DUPLICATES REMOVED)
L12 12 SEA ABB=ON PLU=ON L11 AND PY<=1999
L13 71 DUP REM L5 (6 DUPLICATES REMOVED)
L14 10 SEA ABB=ON PLU=ON L13 AND PY<=1999
L15 48 DUP REM L6 (18 DUPLICATES REMOVED)
L16 16 SEA ABB=ON PLU=ON L15 AND PY<=1999
D L8 TI 1-20
D L8 TI 21-40
D L8 TI 41-60
D L8 TI 61-94
D L10 TI 1-6
D L12 TI 1-12
D L14 TI 1-10
D L16 TI 1-16
D L8 IBIB ABS 13,15,16
D L8 IBIB ABS 20,26,43,80,85
D L10 IBIB ABS 2,4,6
D L12 IBIB ABS 3,5,10,12
D L14 IBIB ABS 1-2
D L14 IBIB ABS 4-8
D L16 IBIB ABS 16
L17 715 SEA ABB=ON PLU=ON (PATTERN? OR PATTERNING?) AND (NUCLEIC OR
DNA OR RNA) AND (CIRCUIT?)
L18 39 SEA ABB=ON PLU=ON L17 AND (RESISTOR? OR RESIST? OR DIODE? OR
CAPACITOR? OR CAPACITANCE? OR TRANSISTOR? OR INDUCER? OR
INDUCTOR?)

```

L19 26 DUP REM L18 (13 DUPLICATES REMOVED)
L20 6 SEA ABB=ON PLU=ON L19 AND PY<=1999
D L20 TI 1-6
L21 29461 SEA ABB=ON PLU=ON CIRCUIT? AND (DIODE? OR CAPACITOR? OR
CAPACITANCE? OR INDUCTOR? OR INDUCER?)
L22 28763 DUP REM L21 (698 DUPLICATES REMOVED)
L23 12755 SEA ABB=ON PLU=ON L22 AND PY<=1999
D L23 1-20
D L23 TI 21-40
D L23 TI 41-60
D L20 IBIB ABS 1
D L23 IBIB ABS 8,9,11
D L23 IBIB ABS 14,19,24,26
D L23 IBIB ABS 39,43,51,55

FILE HOME

FILE CAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 25 Sep 2006 VOL 145 ISS 14
FILE LAST UPDATED: 24 Sep 2006 (20060924/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

FILE MEDLINE

FILE LAST UPDATED: 23 Sep 2006 (20060923/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNS) PRESENT
FROM JANUARY 1969 TO DATE.



A service of the National Library of Medicine
and the National Institutes of Health

My NCBI [?](#)
[Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search **PubMed** for **(integrated circuit) and (capacitor or inductor or in** **Preview** **Go** **Clear**

Limits **History** Clipboard Details

About Entrez

Text Version

Entrez PubMed

Overview

Help | FAQ

Tutorials

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

Limits: Publication Date to 1998

- Search History will be lost after eight hours of inactivity.
- Search numbers may not be continuous; all searches are represented.
- To save search indefinitely, click query # and select Save in My NCBI.
- To combine searches use #search, e.g., #2 AND #3 or click query # for more options.

Search	Most Recent Queries	Time	Result
#11	Search (integrated circuit) and (capacitor or inductor or inductor) Limits: Publication Date to 1998	16:29:33	4
#10	Search (integrated circuit) and (capacitor or inductor or inductor) Limits: only items with links to free full text, only items with links to full text, Publication Date to 1998	16:29:17	0
#9	Search (integrated circuit) and (capacitor or inductor or inductor) Limits: only items with links to free full text, only items with links to full text, Publication Date to 1998	16:28:55	2635
#7	Search RNA and (RNA binding proteins) Limits: only items with links to free full text, only items with links to full text, Publication Date to 1998	16:26:55	3334
#6	Search RNA and (RNA binding proteins) Limits: Publication Date to 1998	16:25:14	8640
#5	Search RNA and (RNA binding proteins)	16:25:00	19014
#4	Search The FASEB journal [Jour] AND 9[volume] AND 6 [issue] AND 1995[pdat]	10:28:27	1
#3	Search The FASEB journal : official publication of the Federation of American Societies for Experimental Biology [Jour] AND 9[volume] AND 6[issue] AND 1995[pdat]	10:28:08	0
#2	Search "The FASEB journal : official publication of the Federation of American Societies for Experimental Biology"[Jour] AND A1260[page] AND 1995[pdat]	10:27:58	0
#1	Search "Genome research"[Jour] AND 1[page] AND 1995 [pdat]	10:21:26	1

Clear History

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

Department of Health & Human Services

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

About Us

Newsroom

Advisory Board

Submit Web Site

Help

Contact Us

Basic Search

[Advanced Search](#) [Search Preferences](#)

Journal sources Preferred Web sources Other Web sources Exact phrase

Searched for:: :All of the words:(integrated AND circuit) AND (capacitor OR inductor OR inducer)

Found:: :5,187 total | [666 journal results](#) | [4,480 preferred web results](#) | [41 other web results](#)

Sort by:: :relevance | [date](#)

Your query

("integrated
(capacitor
inductor)

We did this
quotes to co
and by rem
essential wo
- Repeat v

Refine yo
using thes
found in t
circuit comp

circuit elem

conductive

impedance

inductance

insulating

laminated

microwave

microwave

circuit

monolithic

output terr

semiconduc

semiconduc

silicon subs

Or refine i

1. [Integrated compact capacitor-resistor/inductor configuration](#)
Keil, Richard Fré / dé / rick / Kelkar, Ram / Novof, Illya Iosifovich / Oppold, Jeffery Howard / Short, Kenneth Dean / (...) / International Business Machines Corporation, EUROPEAN PATENT, Mar 1996
 ...configuration of **capacitors**, together with resistors and/or **inductors**, and more particularly...Application Specific **Integrated circuit** chips, various...devices such as **capacitors, inductors** or various combinations...planarized. The **inductor** or a resistor can...polarity of the **capacitor** plates would have...substrate using **integrated circuit** technology. With...
Full text available at patent office. For more in-depth searching go to  [LexisNexis](#)
[view all 4456 results from Patent Offices](#)
[similar results](#)

2. [INTEGRATED CIRCUIT PROBING APPARATUS INCLUDING A CAPACITOR BYPASS STRUCTURE](#)
BOLL, Gregory, George / BOLL Harry, Joseph / GGB INDUSTRIES, INC., EUROPEAN PATENT, Mar 1996
 ...strip 27 and **capacitor** 24 comprise...connected to an **integrated circuit** chip 50 (shown...resistor 54 and an **inductor** 56 (a chip...connected with the **capacitor** 24 and the **inductor** 62 which represents...pad 28 of the **integrated circuit** chip 50. The...understood that **inductors** 64 and 66 can...across the **capacitor** 24 and **inductor**...testing of an **integrated circuit** chip. The **capacitor**...
Full text available at patent office. For more in-depth searching go to  [LexisNexis](#)
[view all 4456 results from Patent Offices](#)
[similar results](#)

3. [Method of manufacturing a hybrid integrated circuit component having a laminated body](#)
Arai, Michio / Yamauchi, Yukio / Sakamoto, Naoya / Nagano, Katsuto / Semiconductor Energy Laboratory Co., Ltd., UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Jul 1997
 ...thin film type **integrated circuit** formed on a substrate...element such as a **capacitor, inductor**, resistance and...formed on the **integrated circuit**. During the firing...constitutes the **integrated circuit** is also heat annealed...
Full text available at patent office. For more in-depth searching go to  [LexisNexis](#)
[view all 4456 results from Patent Offices](#)
[similar results](#)

4. [Noise coupling in heavily and lightly doped substrate from planar spiral inductor](#)

[Integrated](#)

[About Us](#)

[Newsroom](#)

[Advisory Board](#)

[Submit Web Site](#)

[Help](#)

[Contact Us](#)

Basic Search

[Advanced Search](#) [Search Preferences](#)

Journal sources Preferred Web sources Other Web sources Exact phrase

Searched for:: :All of the words:**circuit AND inductor**

Found:: :**9,850 total | 1,192 journal results | 8,131 preferred web results | 527 other web results**

Sort by:: :**relevance | date**

Refine your search using these terms found in the

amplifier

capacitance

connected in

electrodes

electronic c

input termin

input voltag

microwave

circuit

output volt

printed circ

printed circ

semiconduc

switching ci

switching d

switching p

1. **SNUBBER CIRCUIT, SWITCHING POWER-SUPPLY, AND SATURABLE INDUCTOR USED FOR THEM**

SATOH, Morio / MOMOSE, Kenichiro / SAITO, Tadao / KUSAKA, Takao / KABUSHIKI KAISHA TOSHIBA, EUROPEAN PATENT, Jul 1996

...element from said drive **circuit**, said saturable **inductor** having an exciting...multiplied by the **circuit** voltage (V). The saturable **inductor** of this invention...multiplied by the **circuit** voltage E. The saturable **inductor** for use in the snubber...

Full text available at patent office. For more in-depth searching go to  **LexisNexis**
view all 8007 results from Patent Offices
similar results

2. **INTEGRABLE CIRCUIT INDUCTOR**

CORNELL, Kenneth, D. / RAMAKRISHNAN, E., S. / SHAPIRO, Gary, H. / HOWNG, Wei-Yean / MOTOROLA INC., PATENT COOPERATION TREATY APPLICATION, Nov 1997
INTEGRABLE CIRCUIT INDUCTOR Technical Field This invention relates...cross-sectional view of the integrated **circuit inductor** of FIG. 2, showing preferred dimensions...invention provides an integrable **circuit inductor**, such as would be implemented on...

Full text available at patent office. For more in-depth searching go to  **LexisNexis**
view all 8007 results from Patent Offices
similar results

3. **VARIABLE INDUCTOR AND SEMICONDUCTOR INTEGRATED CIRCUIT USING IT**

KAGAYA OSAMU / SHIMIZU TOSHIHIKO / SEKINE KENJI / YOSHIDA ISAO / HITACHI LTD, PATENT ABSTRACTS OF JAPAN, Jun 1996

PURPOSE: To provide an **inductor** which allows its...semiconductor integrated **circuit** and provide a semiconductor integrated **circuit** best suited to microwave integrated **circuits**. CONSTITUTION: A...part of a spiral **inductor** 1, field effect...

Full text available at patent office. For more in-depth searching go to  **LexisNexis**
view all 8007 results from Patent Offices
similar results

4. **THREE-DIMENSIONAL INTEGRATED CIRCUIT INDUCTOR**

HSIEH CHANG-MING / HSU LOUIS LI-CHEN / INTERNATL BUSINESS MACH CORP < / IBM>, PATENT ABSTRACTS OF JAPAN, Sep 1996

PROBLEM TO BE SOLVED: To increase an **inductor** and reduce an area and a volume...wherein there is provided the **inductor** in which a plurality of first and...magnetic core. SOLUTION: In an **inductor**, a plurality of first planar conductor...

Free Coilcraft
Specs, pricing
tools. Evaluate
Order on-line

Inductor
Instant Avail
Specs. Qualit
& Service

Quick Search	Title, abstract, keywords	Author	e.g. j s smit
? search tips	Journal/book title	Volume	Issue
Add to my Quick Links		Page	Clear 

All Sources
Journals
Books
Reference Works
Abstract Databases
Scirus

Term(s): within: Abstract, Title, Keywords 

AND within: Abstract, Title, Keywords 

Sources: Journals Book Series Handbooks Reference Works Abstract Databases

Subject: select one or more:
 - All Sciences -
 Agricultural and Biological Sciences
 Arts and Humanities
 Biochemistry, Genetics and Molecular Biology
Hold down the Ctrl key (or ⌘ key) to select multiple entries.

Dates: to: All Years

[? Search Tips](#)

Basic
Advanced

Search History - [Turn Off](#) | [Save History As...](#) | [Recall History...](#) | [Clear History](#) | [Printable History](#) 

<input type="checkbox"/> Select and: Combine with AND Combine with OR ? Combining Tips		Results	Action
20. <input type="checkbox"/>	pub-date > 1995 and TITLE-ABSTR-KEY(inductor or inducer) and (nucleic or DNA or RNA or oligonucleotide) and circuit [All Sources(- All Sciences -)]	3	re-run edit delete
19. <input type="checkbox"/>	pub-date > 1995 and TITLE-ABSTR-KEY(inductor or inducer) and (nucleic or DNA or RNA or oligonucleotide) [All Sources(- All Sciences -)]	602	re-run edit delete
18. <input type="checkbox"/>	pub-date > 1995 and TITLE-ABSTR-KEY(resistor and (nucleic or DNA or RNA or oligonucleotide)) [All Sources(- All Sciences -)]	3	re-run edit delete
17. <input type="checkbox"/>	pub-date > 1995 and TITLE-ABSTR-KEY(capacitor and (nucleic or DNA or RNA or oligonucleotide)) [All Sources(- All Sciences -)]	8	re-run edit delete
16. <input type="checkbox"/>	pub-date > 1969 and pub-date < 2004 and TITLE-ABSTR-KEY(methacryloyl or methacrylate) and (triphenylphosphine or phosphine or phosphonium) [All Sources(- All Sciences -)]	27	re-run edit delete
15. <input type="checkbox"/>	pub-date > 1969 and pub-date < 2004 and FULL-TEXT	21	re-run edit delete